



Late 1930s Amateur Radio Station Reproduction Donated to Asheville Radio Museum

Gift Includes a Hand-Built Receiver Based on 1947 QST Article

Please note: Due to COVID restrictions, the museum may be closed during regular hours. Please check our [website](#) for current information or to request a private tour for up to four visitors.

ASHEVILLE, N.C. – April 7, 2021 – The [Asheville Radio Museum](#), home to North Carolina’s premier teaching museum and collection of historic radios, is pleased to announce that Richard “Rick” Rogers of Baton Rouge, Louisiana, gifted the museum a hand-built working replica of a late 1930s amateur radio station that includes a regenerative radio receiver and a home-brewed 10-watt transmitter. Rogers based the receiver’s design on a 74-year-old article in *QST*, an [American Radio Relay League](#) publication. He built the station in 2013 using readily available parts from various sources.

“I’ve been a ham since I was 14,” said Rogers, whose amateur radio call sign is K5RCR. “As I grew into the hobby during the 1960s, I was curious to find out what it was like for a ham of modest means during the height of the depression to build and operate a simple station. It was a very eye-opening experience as the construction required a lot of hard work and long hours!”

To construct his receiver, Rogers, a former Louisiana State University Professor of Electrophysiology, referenced a February 1947 *QST* article, “The Old Stand-By: A Four-Tube Regenerative Receiver” (p.42), for schematics and guidance. He also slightly modified the design to make the receiver more user-friendly. “[Regenerative receivers](#) are notorious for being unstable and very tricky to tune,” said Rogers. “This can cause howls of audio oscillation that can be brutal to the operator, especially when listening through earphones of the period.”

In addition to the receiver, Rogers built a power supply and a two-tube, 10-watt crystal-controlled transmitter replica common around 1939. He [presented all items](#) to the museum in early April, during which Rogers demonstrated the station for museum staff members.

“Rick’s donation to our museum fills a unique void in our collection,” said Stuart Smolkin, Asheville Radio Museum’s secretary and curator. “Before finished manufactured radio equipment became ubiquitous, it was normal for ham radio operators to home-build viable stations for their use. Because of Rick, we have an example of such a station, which we’ll showcase and use to educate visitors. We thank him very much for his generosity!”

About The Asheville Radio Museum:

Founded in 2001, the Asheville Radio Museum provides visitors of all ages with a personalized learning experience about the economic and cultural impact of radio technology like enabling cell phones, GPS, Bluetooth, and more. The museum holds more than 100 vintage amateur and commercial radios from the early to the mid-20th century. The not-for-profit, free admittance museum is located on the campus of Asheville-Buncombe Technical Community College. Information on open hours and private tours by appointment is available at avlradiumuseum.org.

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